

Length of stay and functional improvement of completed episodes of rehabilitation in Australia, by impairment and sector, AROC calendar year 2012

Impairment group	Public Sector Benchmarks				Private Sector Benchmarks				National data benchmarks			
	Length of stay		FIM change	FIM gain	Length of stay		FIM change	FIM gain	Length of stay		FIM change	FIM gain
	No.	Mean (95%CI)	Mean (95%CI)	per week	No.	Mean (95%CI)	Mean (95%CI)	per week	No.	Mean (95%CI)	Mean (95%CI)	per week
Stroke - haemorrhagic	381	30.8 (28.4–33.2)	24.8 (23.0–26.7)	5.6	271	23.7 (21.7–25.7)	18.6 (17.0–20.2)	5.5	652	27.8 (26.2–29.5)	22.2 (20.9–23.5)	5.6
Stroke - ischaemic	567	30.9 (28.5–33.2)	23.1 (21.7–24.5)	5.2	281	22.4 (20.5–24.4)	18.7 (17.1–20.3)	5.8	848	28.1 (26.4–29.8)	21.6 (20.5–22.7)	5.4
Stroke - V3 data*	3,340	31.0 (30.1–31.9)	24.0 (23.4–24.6)	5.4	906	22.4 (21.4–23.4)	18.9 (18.0–19.7)	5.9	4,246	29.2 (28.4–29.9)	22.9 (22.4–23.4)	5.5
Brain - NO trauma	726	33.0 (30.1–35.9)	25.2 (23.7–26.7)	5.3	383	20.6 (19.0–22.3)	18.2 (16.7–19.7)	6.2	1,109	28.7 (26.7–30.7)	22.8 (21.6–23.9)	5.5
Brain - trauma	617	32.4 (28.8–36.0)	24.0 (22.4–25.6)	5.2	196	20.7 (18.6–22.7)	22.0 (19.7–24.2)	7.4	813	29.6 (26.8–32.4)	23.5 (22.2–24.9)	5.6
Neurological	1,328	24.4 (23.2–25.6)	18.8 (17.9–19.6)	5.4	1,115	17.3 (16.7–18.0)	14.2 (13.6–14.9)	5.7	2,443	21.2 (20.5–21.9)	16.7 (16.1–17.2)	5.5
Spinal cord - NO trauma	371	57.4 (51.2–63.6)	24.2 (22.3–26.1)	2.9	80	23.2 (18.9–27.4)	17.3 (14.4–20.3)	5.2	451	51.3 (46.0–56.6)	22.9 (21.3–24.6)	3.1
Spinal cord - trauma	183	65.0 (55.7–74.4)	22.1 (19.2–25.1)	2.4	21	36.2 (4.5–67.8)	14.2 (10.0–18.4)	2.7	204	62.1 (53.0–71.2)	21.3 (18.6–24.1)	2.4
Amputee - NO trauma	134	34.3 (29.4–39.2)	16.8 (14.8–18.8)	3.4	57	26.1 (21.8–30.5)	16.2 (13.4–18.9)	4.3	191	31.9 (28.2–35.5)	16.6 (15.0–18.2)	3.7
Amputee - trauma	17	38.5 (23.1–53.8)	19.0 (10.4–27.6)	3.5	12	29.9 (19.4–40.4)	13.2 (6.6–19.7)	3.1	29	34.9 (25.0–44.9)	16.7 (10.9–22.5)	3.3
Amputee - V3 data*	595	34.9 (33.1–36.6)	15.9 (14.9–17.0)	3.2	96	27.0 (22.7–31.4)	17.1 (14.8–19.4)	4.4	691	33.8 (32.1–35.4)	16.1 (15.1–17.0)	3.3
Arthritis	123	20.0 (17.6–22.4)	18.0 (15.6–20.5)	6.3	798	12.5 (12.1–12.9)	12.1 (11.6–12.6)	6.8	921	13.5 (13.0–14.0)	12.9 (12.4–13.4)	6.7
Pain	969	17.9 (17.1–18.7)	18.6 (17.8–19.5)	7.3	2,371	14.4 (14.1–14.8)	12.3 (11.9–12.7)	6.0	3,340	15.4 (15.1–15.8)	14.1 (13.8–14.5)	6.4
Ortho - fractures	6,068	22.9 (22.5–23.3)	21.6 (21.2–21.9)	6.6	5,981	21.2 (20.8–21.5)	19.8 (19.5–20.0)	6.5	12,049	22.1 (21.8–22.3)	20.7 (20.5–20.9)	6.6
Ortho - replacements	3,110	15.2 (14.8–15.6)	19.3 (18.9–19.7)	8.9	16,372	11.3 (11.2–11.4)	15.2 (15.1–15.3)	9.4	19,482	11.9 (11.8–12.0)	15.9 (15.7–16.0)	9.3
Ortho - soft tissue injury	104	12.4 (10.8–14.1)	13.0 (10.6–15.4)	7.3	178	16.5 (15.2–17.7)	15.4 (13.8–16.9)	6.5	282	15.0 (13.9–16.0)	14.5 (13.2–15.8)	6.8
Ortho - others	464	18.8 (17.2–20.4)	19.5 (18.3–20.6)	7.3	3,879	12.9 (12.6–13.2)	16.5 (16.1–16.8)	8.9	4,343	13.5 (13.2–13.8)	16.8 (16.5–17.1)	8.7
Cardiac	469	16.9 (16.0–17.9)	18.5 (17.3–19.7)	7.6	1,932	13.0 (12.7–13.3)	16.3 (15.9–16.7)	8.8	2,401	13.8 (13.4–14.1)	16.7 (16.3–17.2)	8.5
Pulmonary	505	16.9 (16.0–17.9)	18.2 (17.1–19.4)	7.5	977	14.3 (13.8–14.8)	15.5 (14.9–16.2)	7.6	1,482	15.2 (14.7–15.7)	16.5 (15.9–17.1)	7.6
Burns	39	28.7 (19.7–37.7)	21.4 (15.9–27.0)	5.2	3	n.a.	n.a.	n.a.	42	28.0 (19.6–36.3)	21.0 (15.8–26.2)	5.3
Congenital deformity	8	28.3 (5.6–50.9)	11.0 (-3.0–25.0)	2.7	6	12.7 (4.9–20.4)	12.7 (2.9–22.5)	7.0	14	21.6 (8.0–35.2)	11.7 (3.0–20.4)	3.8
Other disabling imp.	504	20.4 (19.2–21.7)	20.4 (19.0–21.7)	7.0	175	18.1 (16.7–19.4)	11.2 (9.7–12.6)	4.3	679	19.8 (18.8–20.8)	18.0 (16.9–19.1)	6.4
Multiple trauma	190	42.9 (35.9–49.9)	30.5 (27.2–33.7)	5.0	248	39.3 (34.6–43.9)	35.0 (32.1–38.0)	6.2	438	40.8 (36.8–44.9)	33.1 (30.9–35.2)	5.7
Developmental disability	4	n.a.	n.a.	n.a.	1	n.a.	n.a.	n.a.	5	41.2 (17.7–64.7)	23.2 (17.3–29.1)	3.9
Re-conditioning	6,414	20.2 (19.9–20.6)	18.5 (18.1–18.8)	6.4	10,286	16.0 (15.8–16.2)	15.2 (15.0–15.4)	6.6	16,700	17.6 (17.4–17.8)	16.5 (16.3–16.6)	6.5
Missing or excluded	6,184				7,252				13,436			
All episodes	33,414	23.9 (23.6–24.2)	20.6 (20.4–20.8)	6.0	53,877	15.0 (14.9–15.1)	16.0 (15.9–16.1)	7.5	87,291	18.2 (18.1–18.4)	17.7 (17.6–17.8)	6.8

NOTE 1: Where the number of episodes < 5 details are not given for reasons of privacy and accuracy.

NOTE 2: Incomplete episodes are excluded from analysis

AN-SNAP V3 inpatient overnight rehabilitation classes

Class	Description of AN-SNAP class
3-201	Rehabilitation, admit for assessment only
3-202	Brain, Neurological, Spinal & Major Multiple Trauma, FIM 13
3-203	All other impairments, FIM 13
3-204	Stroke , FIM motor 63-91, FIM cognition 20-35
3-205	Stroke , FIM motor 63-91, FIM cognition 5-19
3-206	Stroke, FIM motor 47-62, FIM cognition 16-35
3-207	Stroke, FIM motor 47-62, FIM cognition 5-15
3-208	Stroke, FIM motor 14-46, age>=75
3-209	Stroke, FIM motor 14-46, age<=74
3-210	Brain Dysfunction, FIM motor 56-91, FIM cognition 32-35
3-211	Brain Dysfunction, FIM motor 56-91, FIM cognition 24-31
3-212	Brain Dysfunction, FIM motor 56-91, FIM cognition 20-23
3-213	Brain Dysfunction, FIM motor 56-91, FIM cognition 5-19
3-214	Brain Dysfunction, FIM motor 24-55
3-215	Brain Dysfunction, FIM motor 14-23
3-216	Neurological, FIM motor 63-91
3-217	Neurological, FIM motor 49-62
3-218	Neurological, FIM motor 18-48
3-219	Neurological, FIM motor 14-17
3-220	Spinal Cord Dysfunction, FIM motor 81-91
3-221	Spinal Cord Dysfunction, FIM motor 47-80
3-222	Spinal Cord Dysfunction, FIM motor 14-46, age>=33
3-223	Spinal Cord Dysfunction, FIM motor 14-46, age<=32

Class	Description of AN-SNAP Classes
3-224	Amputation of limb, FIM motor 72-91
3-225	Amputation of limb, FIM motor 14-71
3-226	Pain Syndromes
3-227	Orthopaedic conditions, fractures, FIM motor 58-91
3-228	Orthopaedic conditions, fractures, FIM motor 48-57
3-229	Orthopaedic conditions, fractures, FIM motor 14-47, FIM cognition 19-35
3-230	Orthopaedic conditions, fractures, FIM motor 14-47, FIM cognition 5-18
3-231	Orthopaedic conditions, replacement, FIM motor 72-91
3-232	Orthopaedic conditions, replacement, FIM motor 49-71
3-233	Orthopaedic conditions, replacement, FIM motor 14-48
3-234	Orthopaedic conditions, all other, FIM motor 68-91
3-235	Orthopaedic conditions, all other, FIM motor 53-67
3-236	Orthopaedic conditions, all other, FIM motor 14-52
3-237	Cardiac
3-238	Major Multiple Trauma, FIM total 101-126
3-239	Major Multiple Trauma, FIM total 74-100 or Burns
3-240	Major Multiple Trauma, FIM total 44-73
3-241	Major Multiple Trauma, FIM total 19-43
3-242	All other impairments, FIM motor 67-91
3-243	All other impairments, FIM motor 53-66
3-244	All other impairments, FIM motor 25-52
3-245	All other impairments, FIM motor 14-24

NOTE: AN-SNAP classes for inpatient rehabilitation have not changed between V2 and V3.

Length of stay and functional improvement of completed episodes of rehabilitation in Australia, by AN-SNAP class and sector, AROC calendar year 2012 (1/2)

AN-SNAP class	Public Sector Benchmarks			Private Sector Benchmarks			National data benchmarks					
	Length of stay		FIM change	FIM gain	Length of stay		FIM change	FIM gain	Length of stay		FIM change	FIM gain
	No.	Mean (95%CI)	Mean (95%CI)	per week	No.	Mean (95%CI)	Mean (95%CI)	per week	No.	Mean (95%CI)	Mean (95%CI)	per week
3-201*	---				---				---			
3-202	123	103.2 (85.7–120.7)	33.9 (28.0–39.8)	2.3	24	83.3 (57.7–109.0)	47.7 (32.1–63.2)	4.0	147	100.0 (84.7–115.2)	36.1 (30.5–41.7)	2.5
3-203	196	42.3 (37.4–47.1)	23.7 (19.7–27.7)	3.9	56	32.8 (26.3–39.3)	32.8 (23.6–42.0)	7.0	252	40.2 (36.1–44.2)	25.8 (22.0–29.5)	4.5
3-204	1,248	15.7 (15.1–16.3)	12.1 (11.6–12.5)	5.4	590	15.0 (14.2–15.8)	12.6 (12.0–13.2)	5.9	1,838	15.5 (15.0–16.0)	12.2 (11.9–12.6)	5.5
3-205	197	24.6 (22.2–27.0)	20.0 (18.5–21.4)	5.7	34	19.1 (16.1–22.2)	17.2 (13.3–21.0)	6.3	231	23.8 (21.7–25.9)	19.5 (18.2–20.9)	5.7
3-206	1,010	24.6 (23.6–25.5)	25.3 (24.6–26.0)	7.2	476	22.1 (21.2–23.0)	21.9 (20.9–22.9)	6.9	1,486	23.8 (23.1–24.5)	24.2 (23.6–24.8)	7.1
3-207	119	30.5 (26.6–34.4)	27.0 (24.2–29.9)	6.2	35	29.1 (24.4–33.9)	21.7 (16.3–27.2)	5.2	154	30.2 (27.0–33.4)	25.8 (23.3–28.4)	6.0
3-208	778	40.2 (38.5–41.9)	27.6 (26.2–29.0)	4.8	210	35.1 (32.4–37.9)	25.8 (23.4–28.1)	5.1	988	39.1 (37.6–40.6)	27.2 (26.0–28.4)	4.9
3-209	818	51.6 (49.3–53.9)	37.7 (36.3–39.1)	5.1	107	39.1 (35.2–43.1)	25.0 (21.3–28.8)	4.5	925	50.2 (48.1–52.2)	36.2 (34.9–37.5)	5.1
3-210	148	13.9 (12.3–15.6)	11.2 (9.9–12.6)	5.6	179	14.7 (13.5–16.0)	12.9 (11.7–14.2)	6.1	327	14.4 (13.3–15.4)	12.2 (11.2–13.1)	5.9
3-211	357	16.9 (15.6–18.2)	13.9 (12.9–15.0)	5.8	146	15.7 (14.2–17.2)	16.5 (15.0–18.0)	7.4	503	16.6 (15.5–17.6)	14.7 (13.8–15.6)	6.2
3-212	166	25.4 (22.4–28.5)	17.2 (15.4–19.0)	4.7	31	19.0 (15.6–22.4)	17.4 (13.1–21.6)	6.4	197	24.4 (21.8–27.1)	17.3 (15.6–18.9)	4.9
3-213	186	32.5 (28.9–36.1)	25.6 (23.6–27.6)	5.5	30	23.9 (18.0–29.7)	21.5 (14.7–28.4)	6.3	216	31.3 (28.1–34.6)	25.1 (23.1–27.0)	5.6
3-214	360	39.2 (35.7–42.8)	35.4 (33.4–37.4)	6.3	172	29.1 (25.9–32.2)	27.4 (24.6–30.2)	6.6	532	35.9 (33.3–38.6)	32.8 (31.2–34.4)	6.4
3-215	81	73.0 (59.5–86.5)	49.2 (42.9–55.5)	4.7	17	31.4 (22.4–40.4)	32.6 (20.5–44.8)	7.3	98	65.8 (54.1–77.4)	46.4 (40.7–52.1)	4.9
3-216	488	16.3 (15.2–17.5)	10.8 (10.1–11.5)	4.6	552	13.8 (13.2–14.4)	11.3 (10.7–11.9)	5.7	1,040	15.0 (14.4–15.6)	11.1 (10.6–11.5)	5.2
3-217	348	21.9 (20.5–23.4)	20.5 (19.3–21.8)	6.6	341	18.5 (17.4–19.5)	16.4 (15.2–17.6)	6.2	689	20.2 (19.3–21.1)	18.5 (17.6–19.3)	6.4
3-218	432	32.6 (30.2–35.1)	25.3 (23.5–27.1)	5.4	207	23.8 (21.4–26.2)	19.0 (16.9–21.1)	5.6	639	29.8 (27.9–31.6)	23.2 (21.8–24.6)	5.5
3-219	34	51.1 (36.1–66.1)	29.5 (20.6–38.4)	4.0	10	31.9 (17.8–46.0)	4.5 (-3.9–12.9)	1.0	44	46.7 (34.5–58.9)	23.8 (16.1–31.5)	3.6
3-220	26	20.5 (11.9–29.2)	3.5 (1.9–5.0)	1.2	13	16.1 (10.6–21.5)	4.4 (2.5–6.3)	1.9	39	19.1 (13.0–25.1)	3.8 (2.6–5.0)	1.4
3-221	211	29.3 (25.9–32.8)	16.6 (15.2–18.0)	4.0	66	19.0 (16.0–22.1)	16.7 (14.6–18.9)	6.1	277	26.9 (24.1–29.7)	16.6 (15.5–17.8)	4.3
3-222	223	78.5 (69.5–87.5)	29.6 (26.8–32.3)	2.6	20	51.7 (19.0–84.4)	23.7 (15.4–32.0)	3.2	243	76.3 (67.5–85.0)	29.1 (26.5–31.7)	2.7
3-223	47	70.9 (52.7–89.0)	37.4 (31.4–43.4)	3.7	1	106.0	51.0	3.4	48	71.6 (53.8–89.4)	37.7 (31.8–43.6)	3.7

NOTE 1: Where the number of episodes < 5 details are not given for reasons of privacy and accuracy.

NOTE 2: Incomplete episodes are excluded from analysis

* there is no 3-201 class in the AROC Version 4 data set - pathway 3 (inpatient direct care) data

Length of stay and functional improvement of completed episodes of rehabilitation in Australia, by AN-SNAP class and sector, AROC calendar year 2012 (2/2)

AN-SNAP class	Public Sector Benchmarks				Private Sector Benchmarks				National data benchmarks			
	Length of stay		FIM change	FIM gain	Length of stay		FIM change	FIM gain	Length of stay		FIM change	FIM gain
	No.	Mean (95%CI)	Mean (95%CI)	per week	No.	Mean (95%CI)	Mean (95%CI)	per week	No.	Mean (95%CI)	Mean (95%CI)	per week
3-224	168	25.8 (23.1–28.4)	5.2 (4.4–6.0)	1.4	27	14.4 (10.8–18.0)	7.3 (5.3–9.4)	3.6	195	24.2 (21.8–26.6)	5.5 (4.7–6.2)	1.6
3-225	577	37.5 (35.6–39.5)	19.4 (18.4–20.4)	3.6	140	29.6 (26.3–33.0)	18.3 (16.5–20.1)	4.3	717	36.0 (34.2–37.7)	19.2 (18.3–20.1)	3.7
3-226	965	17.8 (17.0–18.6)	18.4 (17.6–19.3)	7.2	2,363	14.4 (14.1–14.8)	12.2 (11.8–12.6)	5.9	3,328	15.4 (15.1–15.7)	14.0 (13.6–14.4)	6.4
3-227	2,115	17.7 (17.2–18.3)	14.1 (13.7–14.5)	5.6	2,914	16.5 (16.2–16.8)	14.4 (14.2–14.7)	6.1	5,029	17.0 (16.7–17.3)	14.3 (14.1–14.5)	5.9
3-228	1,702	21.8 (21.2–22.4)	22.3 (21.8–22.7)	7.2	1,614	22.2 (21.6–22.8)	22.3 (21.9–22.8)	7.0	3,316	22.0 (21.6–22.4)	22.3 (22.0–22.6)	7.1
3-229	1,812	29.0 (28.1–29.8)	29.0 (28.4–29.7)	7.0	1,273	29.9 (28.8–30.9)	28.0 (27.3–28.8)	6.6	3,085	29.3 (28.7–30.0)	28.6 (28.1–29.1)	6.8
3-230	409	27.3 (25.8–28.9)	24.7 (23.0–26.5)	6.3	173	26.5 (24.3–28.6)	24.6 (22.1–27.1)	6.5	582	27.1 (25.8–28.3)	24.7 (23.3–26.1)	6.4
3-231	2,757	14.0 (13.6–14.4)	17.7 (17.3–18.0)	8.9	16,053	11.1 (11.1–11.2)	14.9 (14.8–15.0)	9.3	18,810	11.6 (11.5–11.7)	15.3 (15.2–15.4)	9.3
3-232	302	23.6 (22.0–25.3)	31.4 (29.8–33.1)	9.3	288	19.2 (17.9–20.5)	31.6 (30.0–33.2)	11.5	590	21.5 (20.4–22.5)	31.5 (30.4–32.7)	10.3
3-233	48	31.3 (26.9–35.8)	38.8 (32.1–45.5)	8.7	29	23.6 (19.1–28.1)	27.8 (19.8–35.7)	8.2	77	28.4 (25.1–31.8)	34.6 (29.4–39.9)	8.5
3-234	218	12.3 (11.1–13.5)	9.4 (8.6–10.3)	5.4	2,279	11.0 (10.7–11.3)	9.9 (9.6–10.1)	6.3	2,497	11.1 (10.9–11.4)	9.8 (9.6–10.0)	6.2
3-235	354	15.9 (14.9–16.9)	18.2 (17.3–19.2)	8.0	1,844	13.9 (13.5–14.3)	20.3 (20.0–20.7)	10.2	2,198	14.2 (13.9–14.6)	20.0 (19.6–20.3)	9.8
3-236	278	27.0 (24.5–29.5)	25.9 (24.2–27.6)	6.7	523	21.6 (20.3–23.0)	29.0 (27.8–30.1)	9.4	801	23.5 (22.2–24.7)	27.9 (27.0–28.8)	8.3
3-237	467	16.8 (15.9–17.8)	18.4 (17.2–19.5)	7.6	1,931	13.0 (12.6–13.3)	16.3 (15.9–16.8)	8.8	2,398	13.7 (13.4–14.1)	16.7 (16.3–17.1)	8.5
3-238	34	19.7 (15.2–24.3)	9.9 (7.7–12.0)	3.5	48	16.7 (14.0–19.4)	11.2 (9.5–12.8)	4.7	82	18.0 (15.5–20.4)	10.6 (9.3–11.9)	4.1
3-239	120	24.8 (20.6–29.0)	21.3 (19.1–23.5)	6.0	117	28.1 (24.3–32.0)	26.8 (24.9–28.7)	6.7	237	26.5 (23.6–29.3)	24.0 (22.5–25.5)	6.3
3-240	54	67.2 (49.3–85.1)	41.7 (36.5–46.9)	4.3	55	51.1 (43.5–58.7)	50.2 (46.9–53.5)	6.9	109	59.1 (49.3–68.8)	46.0 (42.8–49.2)	5.5
3-241	13	99.2 (72.8–125.6)	69.8 (62.6–77.1)	4.9	17	73.4 (49.8–96.9)	78.2 (71.7–84.6)	7.5	30	84.6 (66.7–102.4)	74.6 (69.6–79.5)	6.2
3-242	1,753	14.5 (14.0–15.0)	9.3 (8.9–9.6)	4.5	5,032	12.7 (12.5–13.0)	9.8 (9.6–9.9)	5.4	6,785	13.2 (13.0–13.4)	9.6 (9.5–9.8)	5.1
3-243	2,667	17.9 (17.4–18.3)	18.1 (17.8–18.5)	7.1	4,800	15.9 (15.6–16.1)	17.3 (17.1–17.6)	7.6	7,467	16.6 (16.4–16.8)	17.6 (17.4–17.8)	7.4
3-244	2,753	24.0 (23.4–24.6)	24.1 (23.6–24.7)	7.0	2,261	20.8 (20.3–21.3)	21.0 (20.5–21.6)	7.1	5,014	22.6 (22.2–23.0)	22.7 (22.3–23.1)	7.1
3-245	342	33.6 (31.2–36.0)	24.4 (22.1–26.8)	5.1	135	29.0 (26.2–31.8)	24.5 (20.6–28.4)	5.9	477	32.3 (30.4–34.2)	24.4 (22.4–26.5)	5.3
Missing or excluded	5,910				6,644				12,554			
All episodes	33,414	23.9 (23.6–24.2)	20.6 (20.4–20.8)	6.0	53,877	15.0 (14.9–15.1)	16.0 (15.9–16.1)	7.5	87,291	18.2 (18.1–18.4)	17.7 (17.6–17.8)	6.8

NOTE 1: Where the number of episodes < 5 details are not given for reasons of privacy and accuracy.

NOTE 2: Incomplete episodes are excluded from analysis